



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Raynor Garage Doors**  
**1101 East River Road, P.O. Box 448**  
**Dixon, IL 61021**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Showcase / Masterpiece / TC200 Steel Sectional Garage Door up to 18'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. **P-3314**, titled "Spec, Wind Load Showcase, Masterpiece, TC200", sheets 1 through 3 of 3, dated 10/23/2009, with revision B dated 06/16/2010, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises **NOA # 12-0517.16** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
11/09/2015

NOA No. 15-0714.04  
Expiration Date: January 26, 2016  
Approval Date: November 19, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 10-0921.05”**

1. Drawing No P-3314, titled “Spec, Wind Load Showcase, Masterpiece, TC200”, sheets 1 through 3 of 3, dated 10/23/2009, with revision B dated 06/16/2010, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

**B. TESTS “Submitted under NOA # 10-0921.05”**

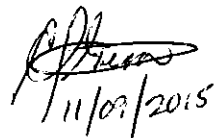
1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2. Along with marked-up drawings and installation diagram of 218”x 84” Showcase/Masterpiece/TC200 Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-0403-10, dated 08/13/2010, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two (one TradeMark and one Showcase) 16’x 7’ Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-0706-10, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.
4. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. 0205T, dated 03/30/2010, signed and sealed by Ramesh Patel, P.E.
5. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/17/2010, signed and sealed by Richard A. Baumann, P.E.

**C. CALCULATIONS “Submitted under NOA # 10-0921.05”**

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 09/16/2010, signed and sealed by Richard A. Baumann, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)



11/09/2015

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0714.04

Expiration Date: January 26, 2016  
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**E. MATERIAL CERTIFICATIONS**

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/2008, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 06/12/2008, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 11/10/2011, and expiring on 01/11/2017.

**F. STATEMENTS**

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and of no financial interest issued by Wendler Engineering Services, Inc., dated 09/09/2015, signed and sealed by Richard A. Baumann, P.E.  
  
*"Submitted under NOA # 12-0517.16"*
2. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 05/14/2012, signed and sealed by Richard A. Baumann, P.E.  
  
*"Submitted under NOA # 10-0921.05"*
3. Statement letter of code conformance to FBC 2007, issued by Wendler Engineering Services, Inc., dated 09/17/2010, signed and sealed by Richard A. Baumann, P.E.
4. Statement letter of no financial interest, issued by Wendler Engineering Services, Inc., dated 09/17/2010, signed and sealed by Richard A. Baumann, P.E.
5. Laboratory compliance (FBC 2007) letter for Test Report No. **G493-0403-10**, issued by Hurricane Test Laboratory, LLC, dated 08/13/2010, signed and sealed by Vinu J. Abraham, P.E.

  
11/09/2015

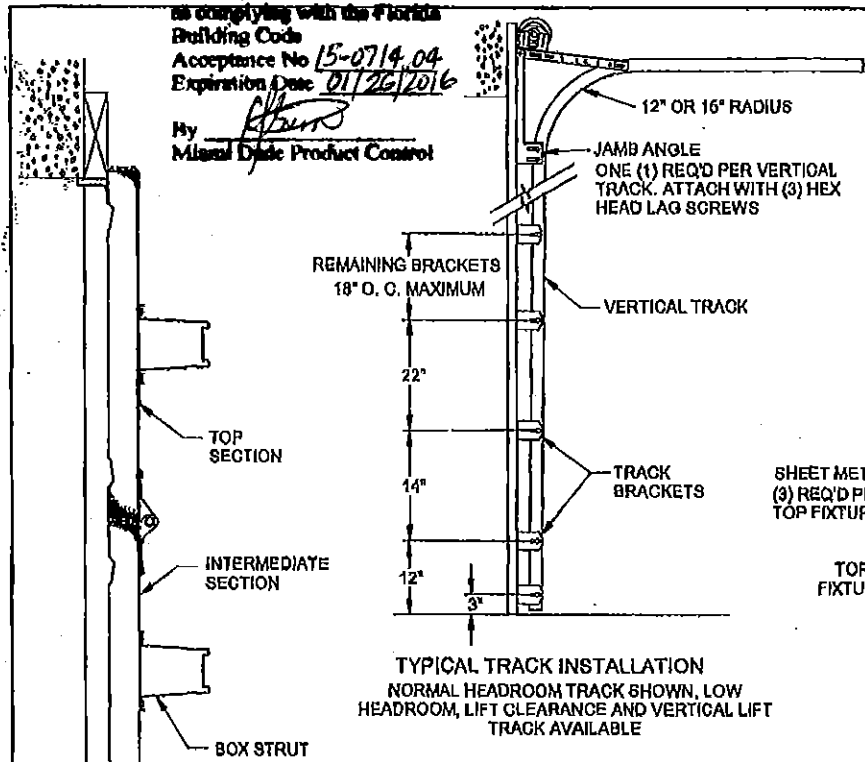
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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0714.04  
Expiration Date: January 26, 2016  
Approval Date: November 19, 2015

**PRODUCT REVISED**

As complying with the Florida Building Code  
Acceptance No 15-0714.04  
Expiration Date 01/26/2016

By *[Signature]*  
Miami Dade Product Control



INTERIOR SKIN  
.0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH WOOD GRAIN TEXTURE AND STAMPEO WITH EMBOSSED PANELS FOR SHOWCASE AND MASTERPIECE OR SMOOTH FOR TC200. MINIMUM YIELD STRENGTH = 28070 PSI

EXTERIOR SKIN  
.0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH WOOD GRAIN TEXTURE. MINIMUM YIELD STRENGTH = 28070 PSI

EDGE HARDWARE PLATE  
SEE DETAIL ON SHT 3

HARDWARE PLATE  
SEE DETAIL ON SHT 3

END STILES  
TOX LOCKED TO PANEL SEE DETAIL ON SHT 3

PERIMETER SEAL (OPTIONAL)  
As complying with the Florida Building Code  
Acceptance No 12-0517.16  
Expiration Date 01/26/2016

By *[Signature]*  
Miami Dade Product Control

JAMBS  
2X6 #2 DOUGLAS FIR OR BETTER WOOD JAMB SEE SHT 2 FOR ATTACHMENT

HEX HEAD LAG SCREW  
(2) PER BRACKET, SEE DETAIL ON SHT 3

TRACK BRACKET SHOWN FULL ANGLE OPTIONAL SEE DETAIL ON SHT 3

TRACK BOLT / WHIZ LOCK NUT  
SEE DETAIL ON SHT 3

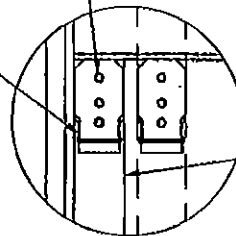
TRACK ROLLER  
SEE DETAIL ON SHT 3

TRACK, 2" SHOWN, 3" OPTIONAL  
SEE DETAIL ON SHT 3

INSULATION CORE  
EXPANDED POLYSTYRENE 1 LB/FT

SHEET METAL SCREW  
(3) REQ'D PER TOP FIXTURE

TOP FIXTURE



TOP FIXTURE DETAIL

CENTER HINGE  
SEE DETAIL ON SHT 3

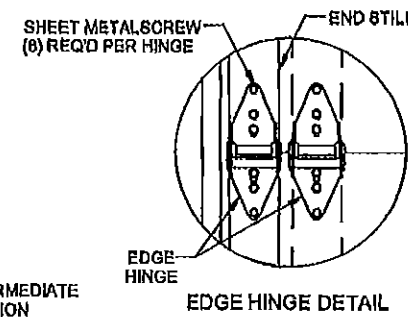
SECTION B-B

RETAINING NUT  
7/16" PUSH ON  
RETAINING NUT (1)  
REQUIRED PER ROLLER  
SEE DETAIL ON SHT 3

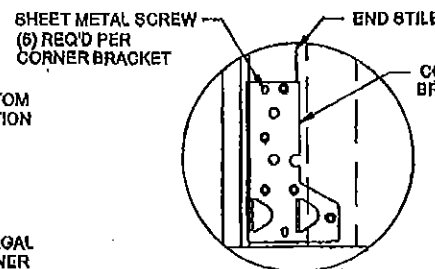
DOUBLE EDGE HINGE  
SEE DETAIL ON SHT 3

STEEL BOX STRUT  
SEE DETAIL ON SHT 3

SPRING COUNTERBALANCE  
SPRING WIRE INDIVIDUALLY CALCULATED TO COUNTERBALANCE DOOR. QUANTITY AND SIZE OF SPRING WILL VARY BASED ON DOOR SIZE



EDGE HINGE DETAIL



CORNER BRACKET DETAIL

DOOR HEIGHT  
7'-0" HIGH  
SHOWN  
OTHER DOOR HEIGHTS AVAILABLE UP TO 18'-0" USING 18'-1/8", 18'-1/2" OR 21" HIGH SECTIONS

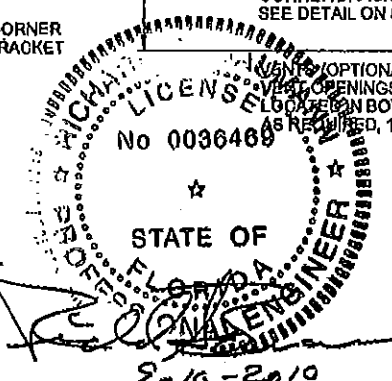
TOP FIXTURE  
SEE DETAIL ON SHT 3

STEEL REINFORCEMENT  
ONE (1) BOX STRUT PER SECTION, FASTENED TO ALL CENTER AND END STILES USING (2) SHEET METAL SCREWS AT EACH LOCATION

INTERIOR LOCK  
TWO (2) REQ'D PER DOOR. LOCATE OPPOSITE EACH OTHER TO ENGAGE EACH TRACK 6" MIN. SEE DETAIL ON SHT 3

CORNER BRACKET  
SEE DETAIL ON SHT 3

(OPTIONAL)  
VEST OPENINGS MAY BE LOCATED IN BOTTOM SECTION AS REQUIRED, 120 SQ. IN. MAX



Approved as complying with the Florida Building Code  
Date 01/26/2016  
By *[Signature]*  
Miami Dade Product Control Division

18' - 2" MAXIMUM DOOR WIDTH

INTERIOR ELEVATION

DOOR WIDTH	DESIGN LOAD
UP TO 18'-2"	+43.6 -60.0

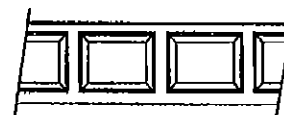
DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE TESTED PER TAS 201 AND TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE  
LARGE MISSILE IMPACT RESISTANT

SECTION A-A  
4 SECTION HIGH DOOR SHOWN

REV. DESCRIPTION		ECO	DATE	ECO	6807.01
B	RELEASED FOR PRODUCTION	6807.01	08/18/10	CHECKED BY: G. WEDEKIND	
A	PRELIMINARY RELEASE		10/23/09	DATE: 10/23/09	
SCALE: NONE		DRAWN BY: G. WEDEKIND			
		1101 EAST RIVER ROAD DOVER, N.J. 08021			
		RAYNOR			
		TITLE: SPEC, WINDLOAD SHOWCASE, MASTERPIECE, TC200			
		NO. P-3314			
		SHEET 1 OF 3			
		REV B			



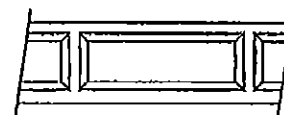
6 CENTER STILES  
16' - 1" to 18' - 2" WIDE  
CENTER STILE LAYOUT  
INTERIOR VIEW



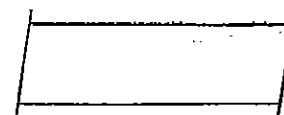
COLONIAL  
PANEL



CARRIAGE  
HOUSE  
PANEL

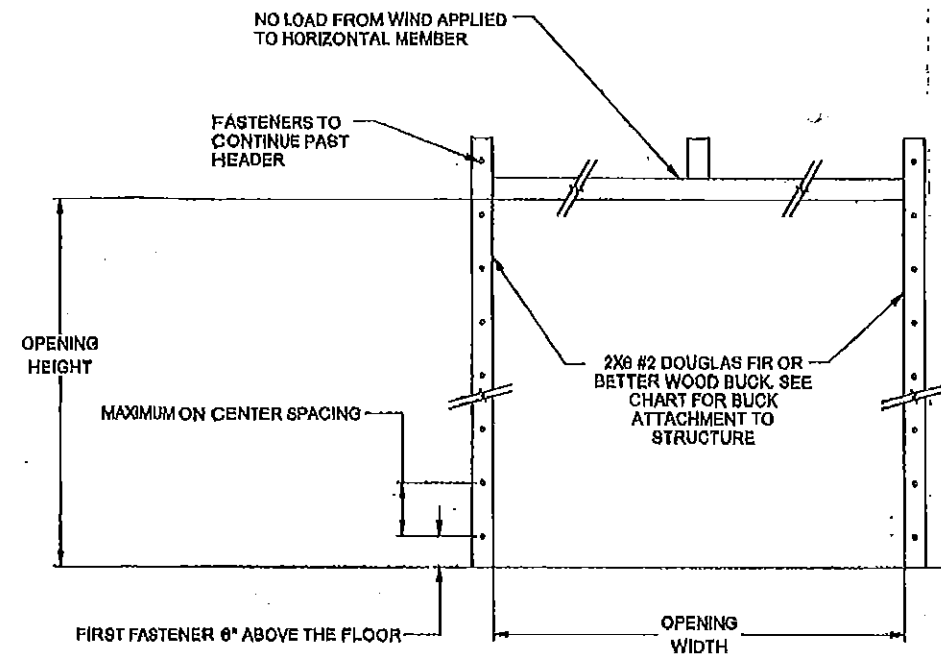
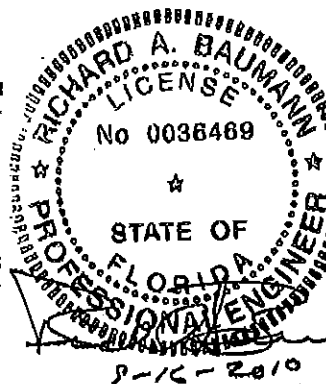


RANCH  
PANEL



FLUSH  
PANEL

PANEL OPTIONS  
EXTERIOR VIEW



#### JAMB ATTACHMENT NOTES

1. 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
2. 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
3. MAXIMUM POSITIVE LOAD PER JAMB = (18' X 43.6 PSF) / 2 = 391.6 LBS PER FOOT
4. MAXIMUM NEGATIVE LOAD PER JAMB = (18' X 50 PSF) / 2 = 450 LBS PER FOOT.
5. DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	14-3/4"
3102 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	15-1/2"
2800 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	21-1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	10-3/4"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	17-1/4"
WOOD DOUGLAS FIR (G=46)	5/16" DIA. X 3 1/2"	1 1/2"	1"	352	10-1/2"
WOOD SYP (G=55)	5/16" DIA. X 3 1/2"	1 1/2"	1"	480	14"

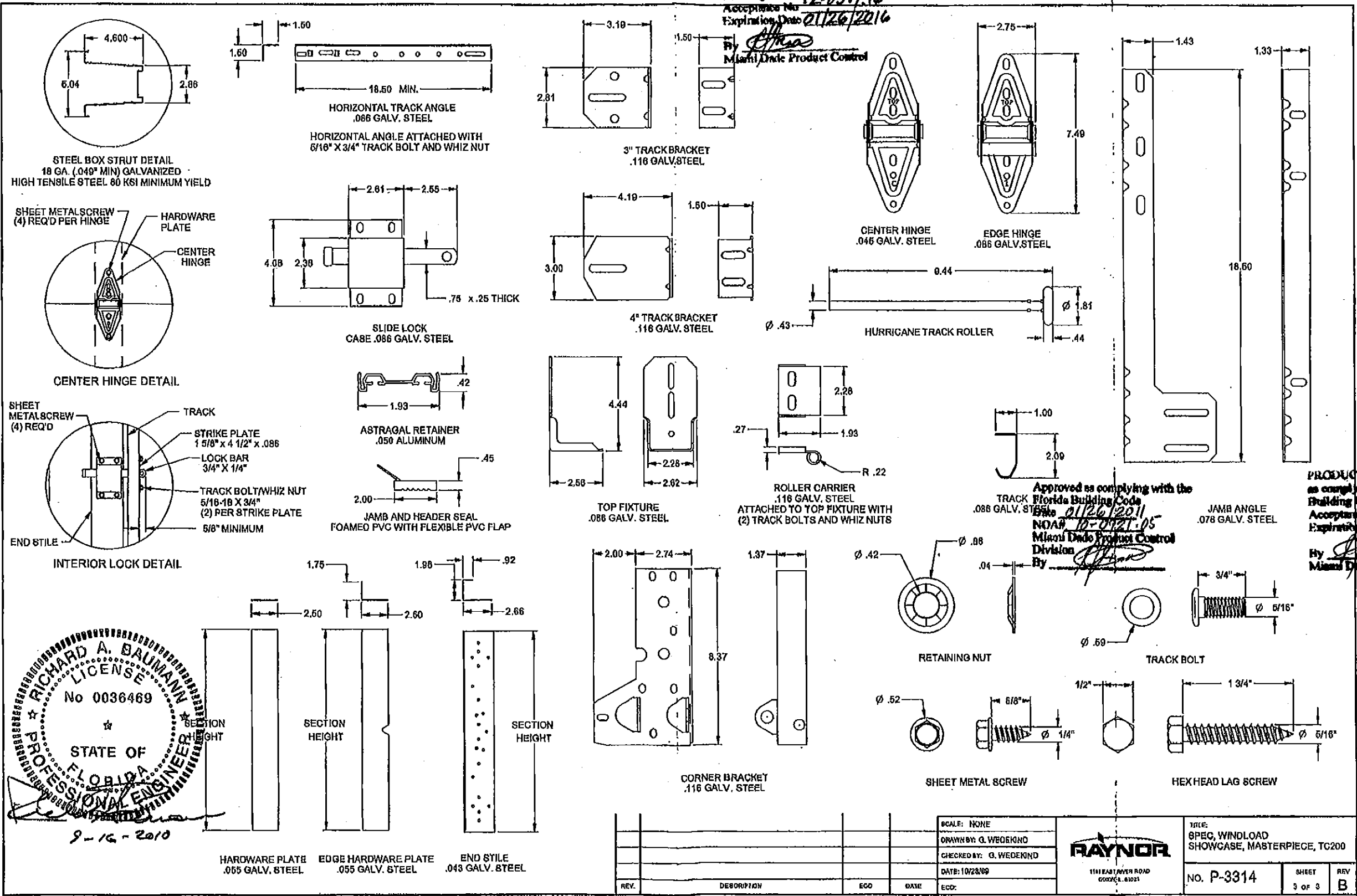
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as complying with the Florida  
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By   
Miami Dade Product Control

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0517.16  
Expiration Date 01/26/2016  
By   
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 01/26/2011  
NOA# 10-0921.05  
Miami Dade Product Control  
Division   
By

REV.	DESCRIPTION	ECO	DATE	ECO	SCALE: NONE DRAWN BY: G. WEDEKIND CHECKED BY: G. WEDEKIND DATE: 10/23/09	 1401 EAST RIVER ROAD DOVER, NJ 08031	TITLE: SPEC. WINDLOAD SHOWCASE, MASTERPIECE, TC200 NO. P-3314	SHEET 2 OF 3	REV B
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PRODUCT REVISED  
 as complying with the Florida  
 Building Code 12-0517.16  
 Acceptance No. 15-0714.04  
 Expiration Date 01/26/2016  
 By *[Signature]*  
 Miami Dade Product Control



**RICHARD A. BAUMANN**  
 LICENSE  
 No 0036469  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER  
 9-16-2010

REV.	DESCRIPTION	ECO	DATE	ECO

SCALE: NONE

DRAWN BY: G. WEDENND

CHECKED BY: G. WEDENND

DATE: 10/23/09

ECO:

**RAYNOR**

111 EAST AVE. ROAD  
 COVINGTON, LA 70021

TITLE:  
 SPEC. WINDLOAD  
 SHOWCASE, MASTERPIECE, TC200

No. P-3314

SHEET  
 3 OF 3

REV  
 B